



09/2811

**PATENT APPLICATION**  
Serial No. 09/985,728  
Atty. Docket No. 3693-011770

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Group Art Unit 2811

In re application of

**Lawrence N. Crane et al.**

Serial No. 09/985,728

Filed November 6, 2001

Examiner: Not yet assigned

**WAFER APPLIED FLUXING  
AND UNDERFILL MATERIAL,  
AND LAYERED ELECTRONIC  
ASSEMBLIES MANUFACTURED  
THEREWITH**

Pittsburgh, Pennsylvania  
February 15, 2002

Commissioner for Patents  
Washington, D.C. 20231

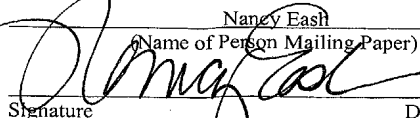
**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to the requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants hereby submit this Information Disclosure Statement which includes a completed Form PTO-1449 and a copy of each reference listed thereon.

Applicant's respectfully request that each of these documents be considered by the Examiner, made of record herein, listed on the "Notice of References Cited" to be issued in this application and printed on any patent which may issue from this application. Applicant's also respectfully request that a copy of the attached Form PTO-1449, initialed by the Examiner, be returned to Applicant's attorney together with the next communication indicating that these documents have in fact been considered.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231 on February 15, 2002.

Nancy Eash  
(Name of Person Mailing Paper)  
  
Signature Date 2/15/2002


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In addition to those references cited on the attached Form PTO-1449, we note these additional applications as referenced in the present application for reference: USSN 60/222,392; 60/232,813; 60/230,098; 60/198,747; and 60/193,547.

Pursuant to 37 C.F.R. §1.97(b)(1), no fee is believed to be due for the submission of this Information Disclosure Statement, as it is being submitted within three months of the filing date. Nevertheless, the Commissioner for Patents is hereby authorized to charge any fees which may be required to Deposit Account No. 23-0650. One (1) original and two (2) copies of this Information Disclosure Statement are enclosed.

Respectfully submitted,

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Atty. Docket No.  
3693-011770Serial No.  
09/985,728
**LIST OF CITATIONS BY APPLICANT**  
 (Use several sheets if necessary)

 Applicants  
 Lawrence N. Crane et al.

 Filing Date  
 November 6, 2001

 Group Art  
 2811

**U.S. PATENT DOCUMENTS**

Exam. Init.		Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
	AA	5,512,613	04/30/96	Afzali-Ardakani et al.	523	443	
	AB	5,560,934	10/01/96	Afzali-Ardakani et al.	424	497	
	AC	5,760,337	06/02/98	Iyer et al.	174	52.2	
	AD	5,872,158	02/16/99	Kuczynski	522	182	
	AE	5,932,682	08/03/99	Buchwalter et al.	528	94	
	AF	5,948,922	09/07/99	Ober et al.	549	547	
	AG	5,973,033	10/26/99	Ober et al.	523	443	
	AH	5,985,043	11/16/99	Zhou et al.	148	24	
	AI	5,985,456	11/16/99	Zhou et al.	428	414	
	AJ	6,121,689	09/19/00	Capote et al.	257	783	
	AK	6,297,560 B1	10/02/01	Capote et al.	257	778	

**FOREIGN PATENT DOCUMENTS**

		Document No.	Date	Country	Class	Subclass	Translation Yes	No
	AL	98/31738	07/23/98	WIPO				
	AM	00/56799	09/28/00	WIPO				
	AN	00/79582	12/28/00	WIPO				
	AO	93226416	09/03/93	JAPAN			Machine	
	AP							

**OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AQ	
	AR	
	AS	

Examiner	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT FORM (PTO 1449)